

Photometric Report



Phantom 350 Spot 3200K, CYAN 000
MAGENTA 141
YELLOW 154, Ordercode 40003

REPORT SUMMARY

Output

Total Lumens: 2739 Lumen
Peak Intensity: 12499 candela
Illuminance @ 5m: 491 lx
CRI: 69,0
CCT: 3358 K

Optical

Beam Angle (50%) 32,1 °
Field Angle (10%) 37,9 °

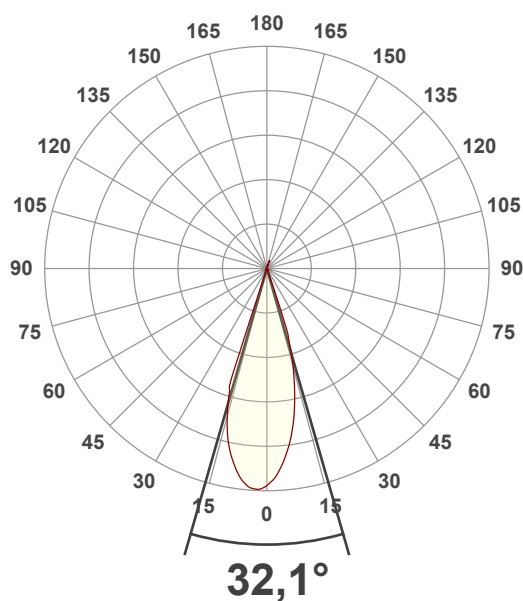
Conditions:

Power Supply: 221 V
Power: 417,3 W
Current: 1,89 A
Power Factor: 1,0

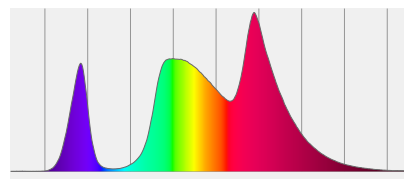


MEASUREMENTS

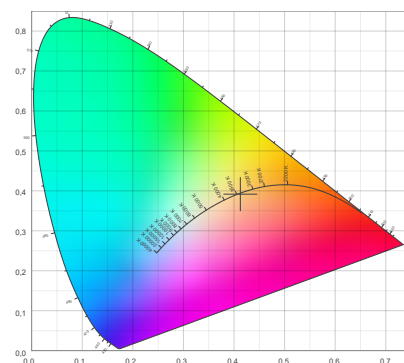
Angular Beam Distribution



Spectral Distribution



CIE 1931



Photometric Report

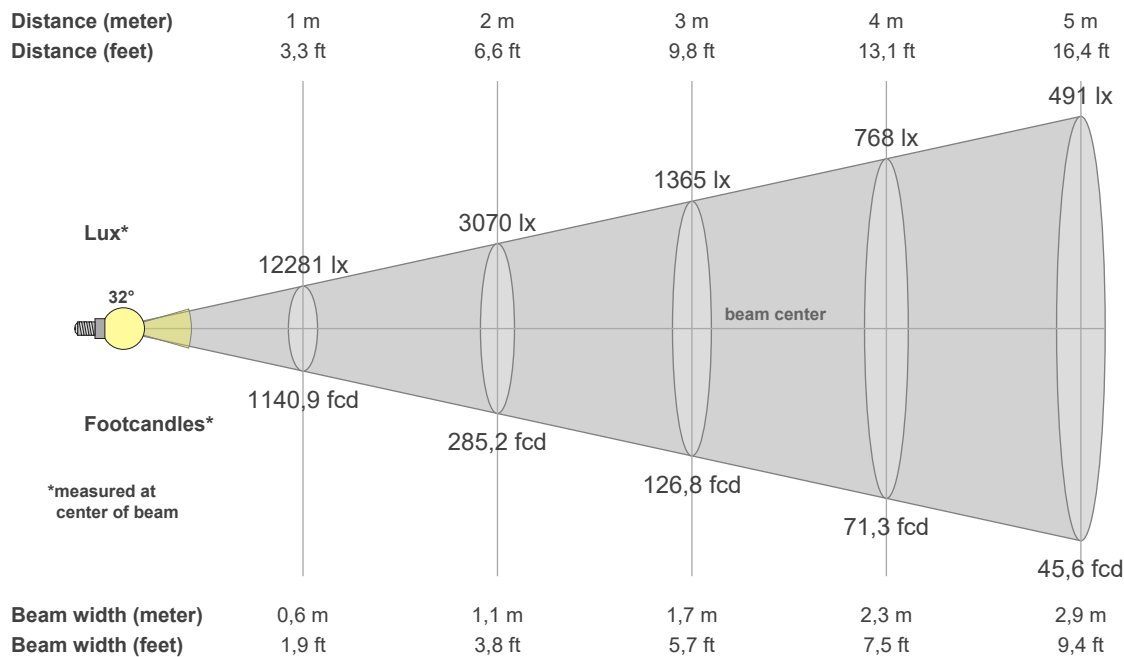


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BEAM DETAILS

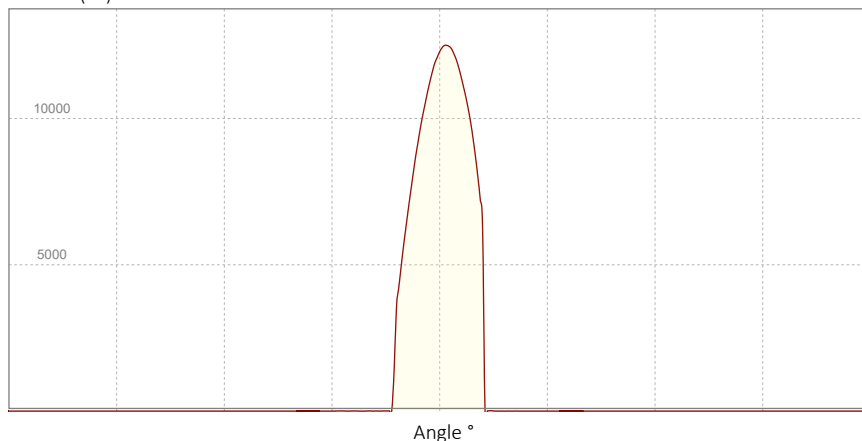


Beam Illuminances from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	19,7ft	23ft	26,2ft	29,5ft	32,8ft	36,1ft	39,4ft	42,7ft	45,9ft	49,2ft	52,5ft	55,8ft	59,1ft	62,3ft	65,6ft
12281lx	3070lx	1365lx	768lx	491lx	341lx	251lx	192lx	152lx	123lx	101lx	85lx	73lx	63lx	55lx	48lx	42lx	38lx	34lx	31lx
1140,9fcd	285,2fcd	126,8fcd	71,3fcd	45,6fcd	31,7fcd	23,3fcd	17,8fcd	14,1fcd	11,4fcd	9,4fcd	7,9fcd	6,8fcd	5,8fcd	5,1fcd	4,5fcd	3,9fcd	3,5fcd	3,2fcd	2,9fcd

Candela (cd)

Linear Distribution Diagram



Beam Angle (50%): 32,1 °

Field Angle (10%): 37,9 °

Cutoff Angle (3%): 38,7 °

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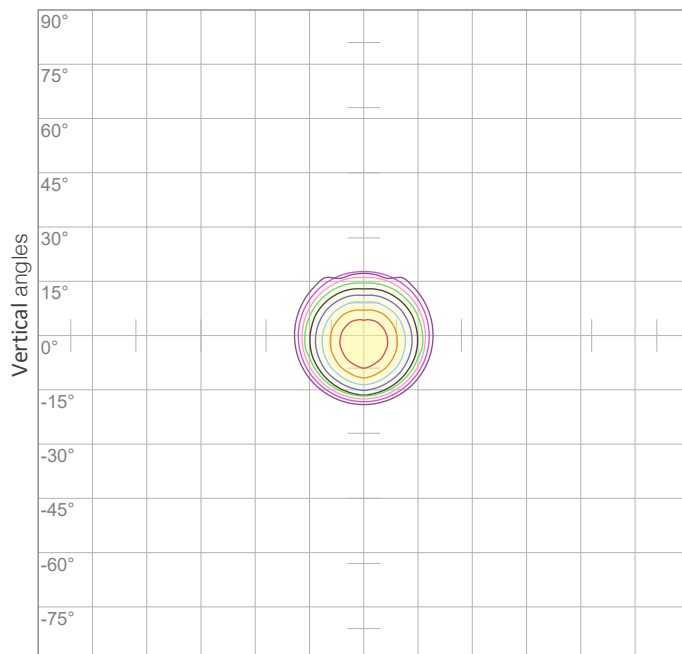
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POLAR DIAGRAMS



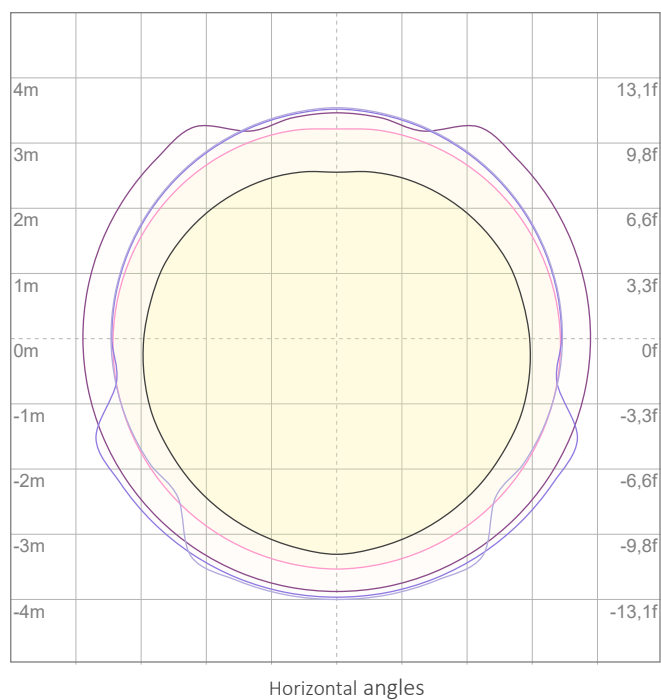
ISO candela diagram

10%	1228 cd
20%	2456 cd
30%	3684 cd
40%	4912 cd
50%	6140 cd
60%	7369 cd
70%	8597 cd

Conditions:

Number of c-planes: 2

Candela at center: 12281 cd



ISO lux diagram

3%	3,68 lx
5%	6,14 lx
10%	12,3 lx
30%	36,8 lx
50%	61,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 123 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters (33 feet)

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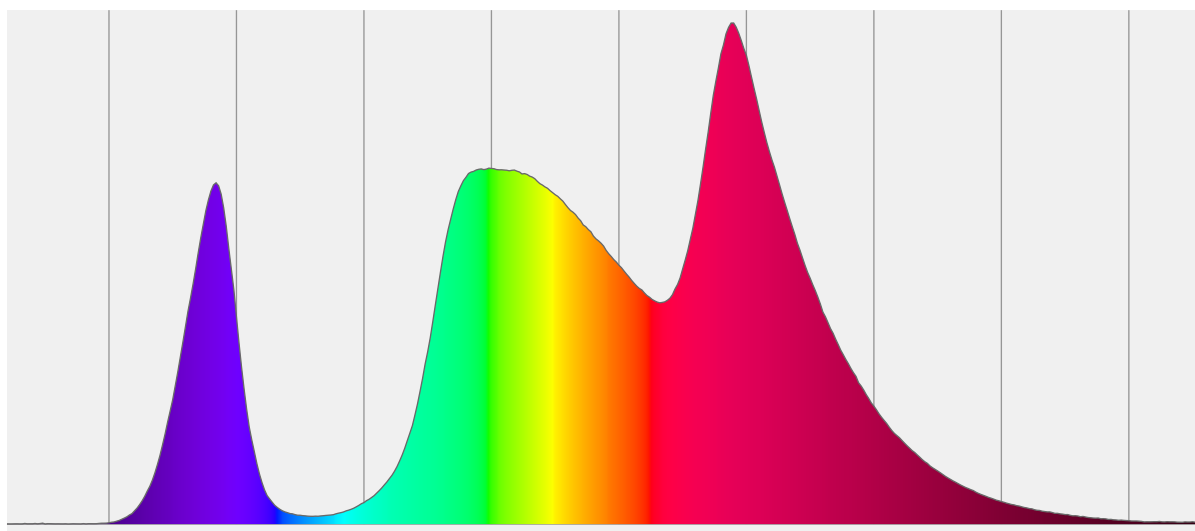
CHROMATICITY REPORT

Total Lumens: 2739 lm
Peak Intensity: 12499 cd
Fixture Efficiency: 7 Lumen/Watt

Color Temperature: 3358 K
CRI: 69,0
CRI R9: 70,6
CQS: 67,5
TM-30 Rf: 63,8
TM-30 Rg: 103,4
 Δuv : -0,0011
1st Dominant Wavelength: 645 nm
2nd Dominant Wavelength: 549 nm



Spectral Distribution



Color

3358 K

CIE 1931 Coordinates:
X: 0,413 Y: 0,392

Color Temperature

3358 K

CRI

69,0

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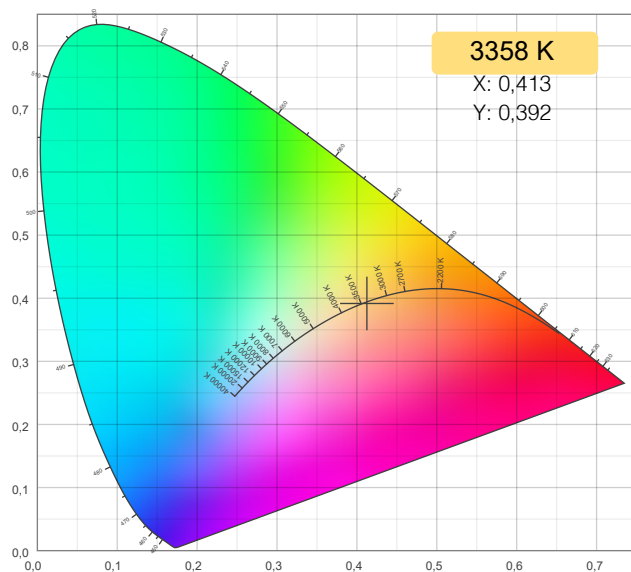
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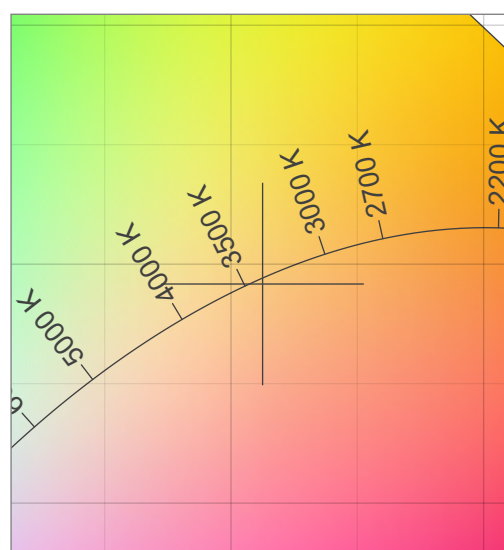


CHROMATICITY

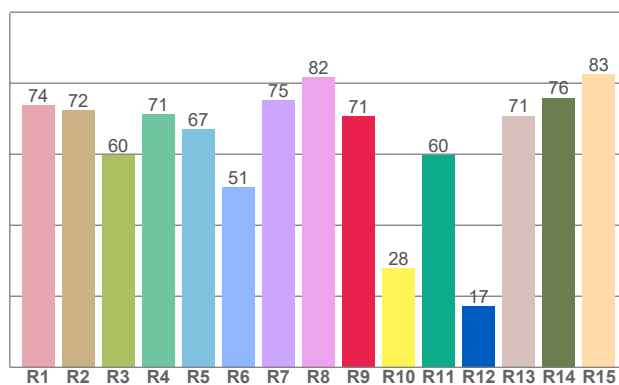
CIE 1931



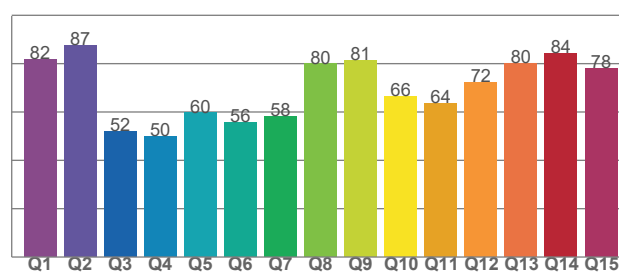
CIE 1931 - Detail



CRI: 69,0 (R1-R8)



CQS: 67,5



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TM-30-18 DETAILS

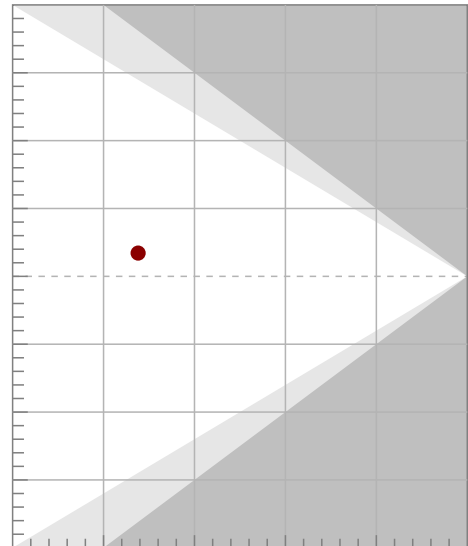
Rf 63,8

Fidelity index Rf

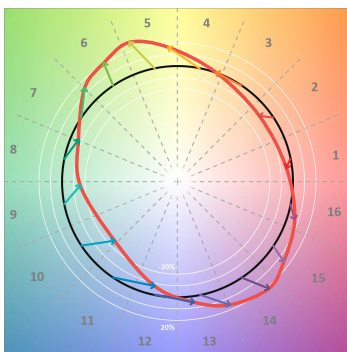
Rg 103,4

Gamut index Rg

Hue Bin	Rf	Shifts (%)	
		Chroma	Hue
1	84	-5%	-7%
2	78	-9%	8%
3	53	-3%	25%
4	48	13%	30%
5	62	27%	17%
6	66	21%	-4%
7	61	12%	-23%
8	67	-9%	-19%
9	69	-17%	-13%
10	54	-26%	12%
11	41	-14%	34%
12	52	0%	35%
13	65	14%	24%
14	70	21%	15%
15	75	15%	-6%
16	77	6%	-12%

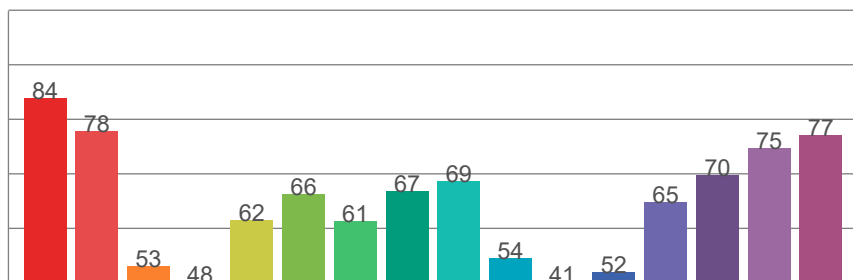


TM30-18 Color Vectors

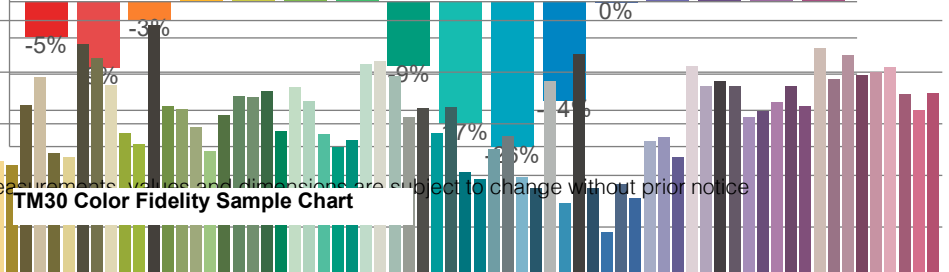
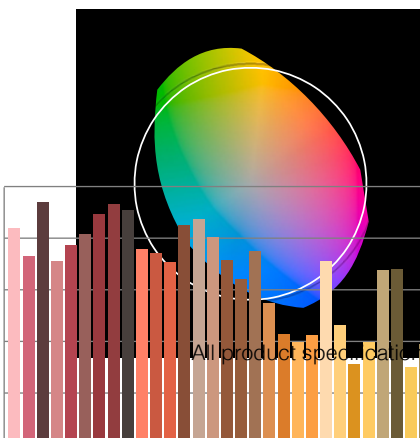
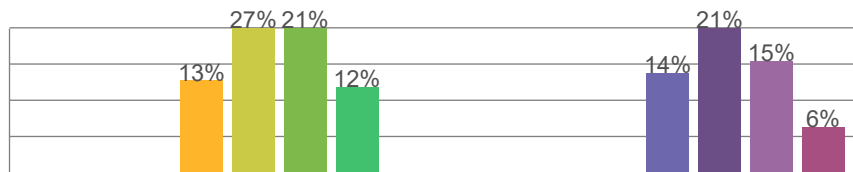


TM30 Color Distortion

Rf by Hue Bin



TM30 Chroma Shift



All product specifications, measurements, values and calculations are subject to change without prior notice.

TM30 Color Fidelity Sample Chart